

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041524\
 Data File : VN081740.D
 Acq On : 15 Apr 2024 16:12
 Operator : JC\MD
 Sample : VN0415MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 15 23:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

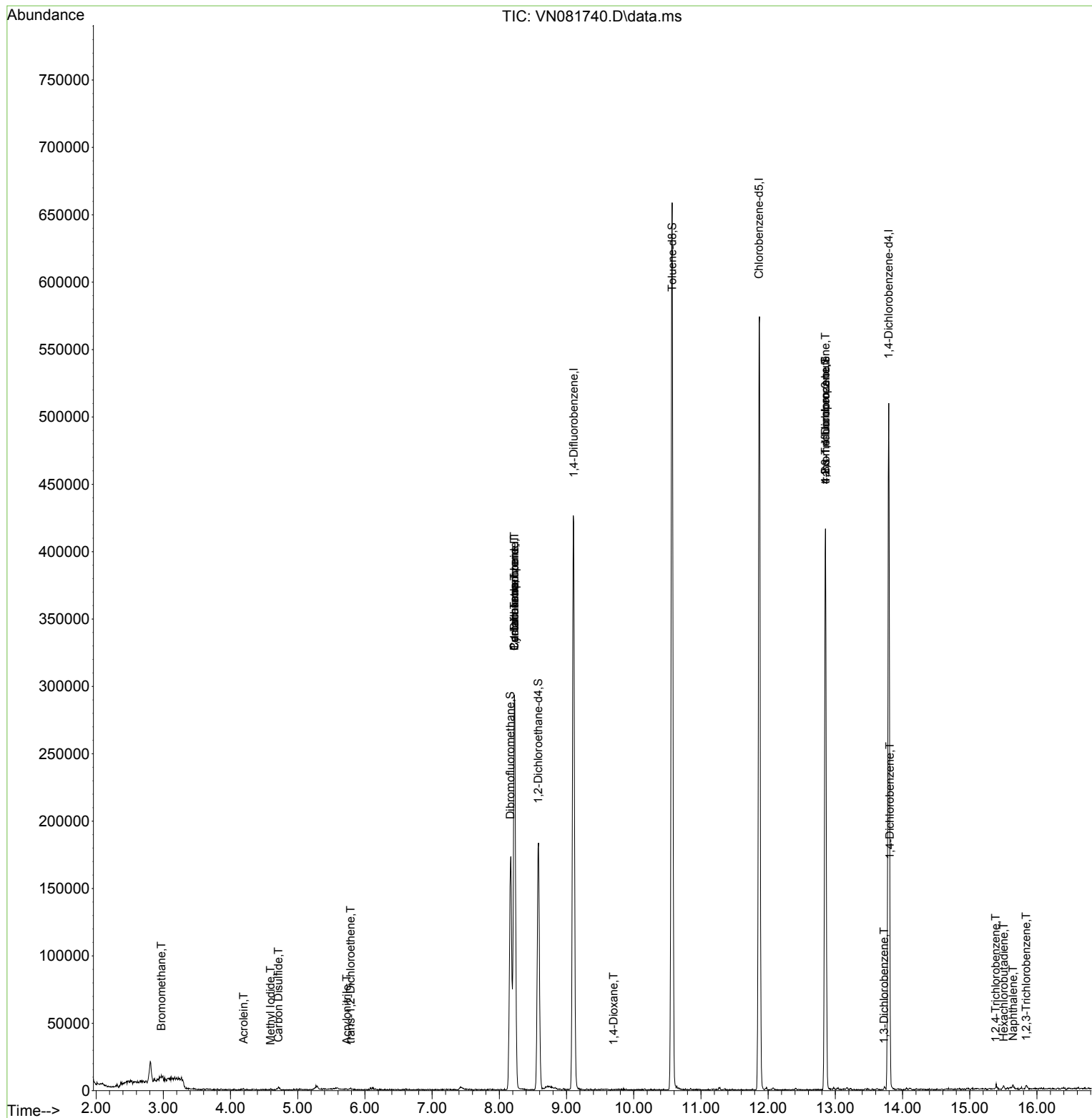
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene		8.224	168	205148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		9.106	114	370871	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.865	117	332809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.794	152	132682	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.577	65	150965	52.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.600%	
35) Dibromofluoromethane		8.165	113	124086	50.667	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.340%	
50) Toluene-d8		10.571	98	453852	50.304	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.600%	
62) 4-Bromofluorobenzene		12.853	95	141199	45.798	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	91.600%	
Target Compounds							Qvalue
3) Chloromethane		2.359	50	858	Below Cal	#	43
5) Bromomethane		2.971	94	1937	1.008	ug/l #	65
6) Chloroethane		3.124	64	20	Below Cal	#	44
10) Methyl Iodide		4.595	142	775	0.561	ug/l #	84
13) Acrolein		4.195	56	414	0.989	ug/l #	37
15) Acrylonitrile		5.730	53	601	0.553	ug/l #	29
17) Carbon Disulfide		4.712	76	3959	0.559	ug/l #	74
20) Methylene Chloride		5.271	84	1958	Below Cal	#	72
21) trans-1,2-Dichloroethene		5.789	96	685	0.280	ug/l #	45
31) Cyclohexane		8.224	56	5413	1.367	ug/l #	47
36) 1,1-Dichloropropene		8.224	75	19028	5.577	ug/l #	50
38) Carbon Tetrachloride		8.224	117	21499	5.416	ug/l #	14
49) 1,4-Dioxane		9.700	88	112	2.095	ug/l #	28
76) 1,2,3-Trichloropropane		12.853	75	75199	29.616	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.853	75	75199	69.348	ug/l #	12
87) 1,3-Dichlorobenzene		13.723	146	1058	0.223	ug/l #	29
88) 1,4-Dichlorobenzene		13.812	146	1006	0.208	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...		14.729	75	98	Below Cal	#	2
93) 1,2,4-Trichlorobenzene		15.388	180	944	0.391	ug/l	78
94) Hexachlorobutadiene		15.506	225	554	0.532	ug/l	91
95) Naphthalene		15.647	128	3638	0.471	ug/l #	81
96) 1,2,3-Trichlorobenzene		15.841	180	996	0.403	ug/l	63

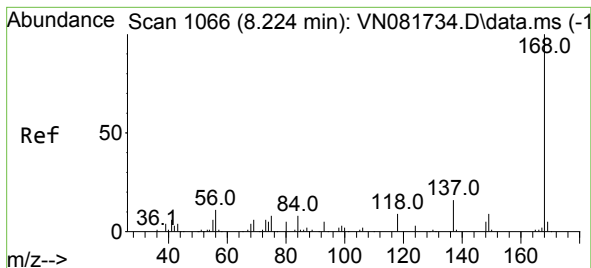
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0415MBL01
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Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

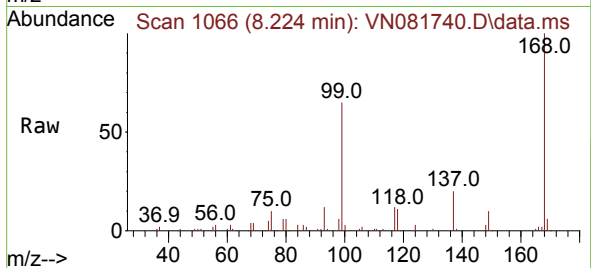
Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

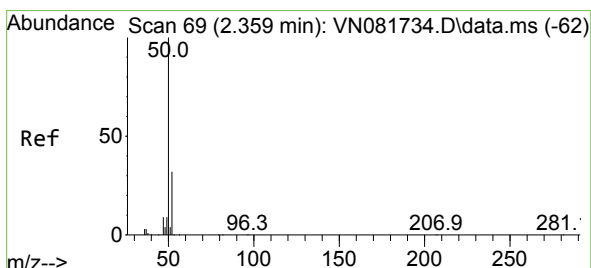
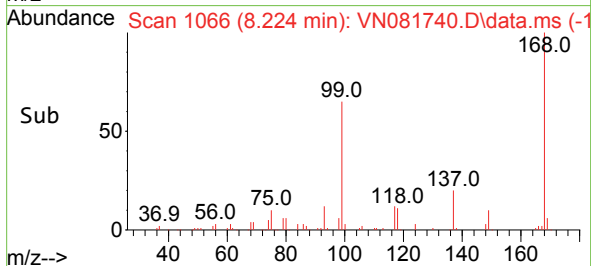
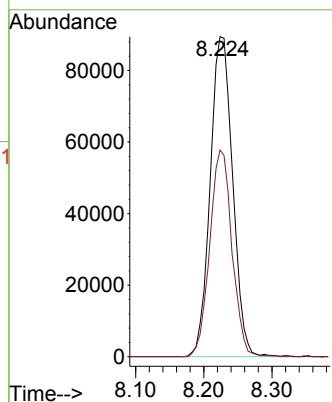


Tgt Ion:168 Resp: 205148

Ion Ratio Lower Upper

168 100

99 64.6 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081740.D

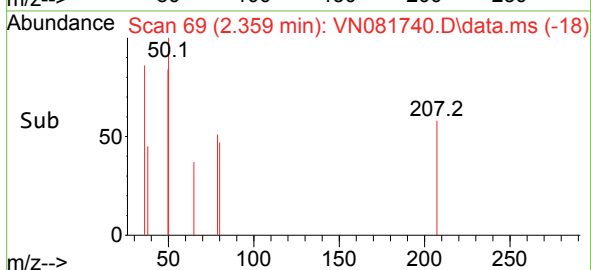
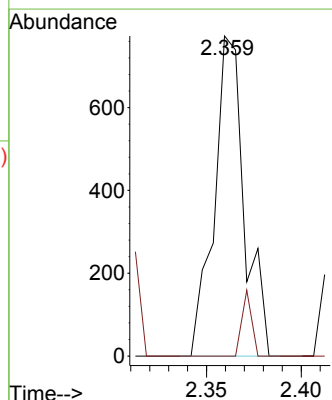
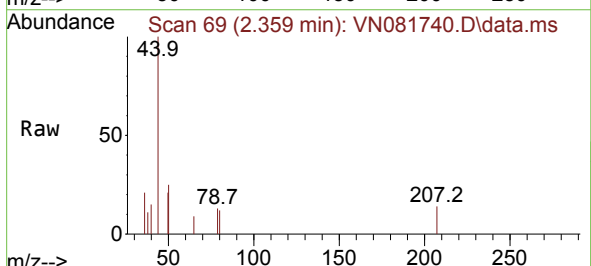
Acq: 15 Apr 2024 16:12

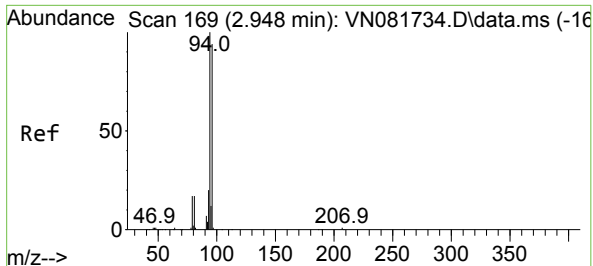
Tgt Ion: 50 Resp: 858

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

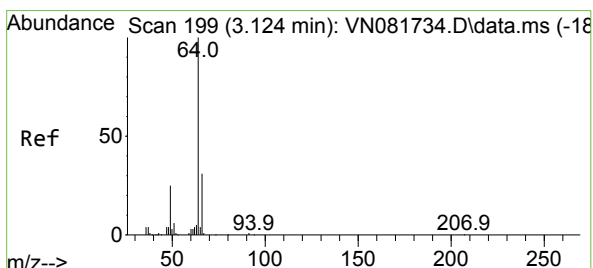
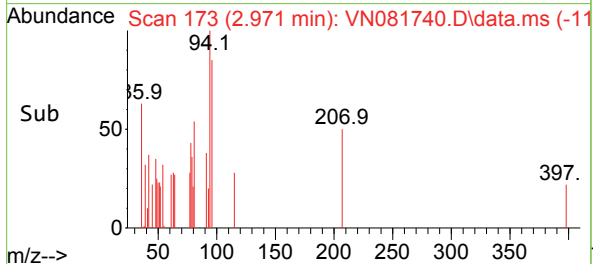
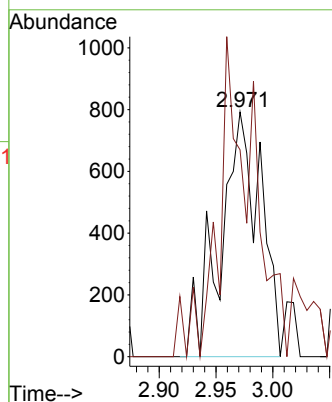
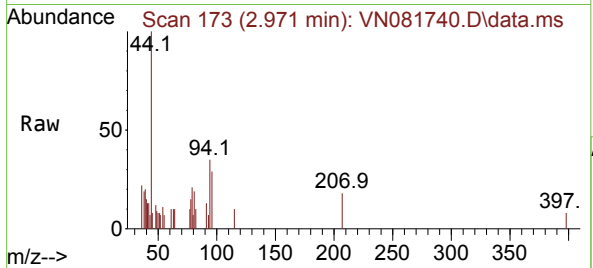




#5
Bromomethane
Concen: 1.008 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

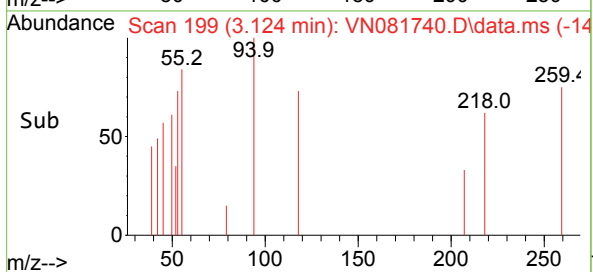
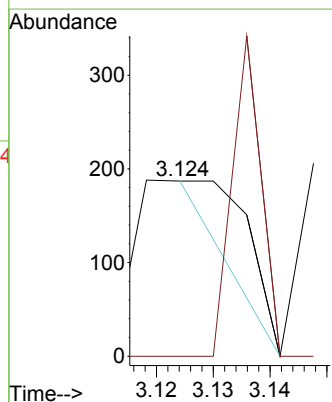
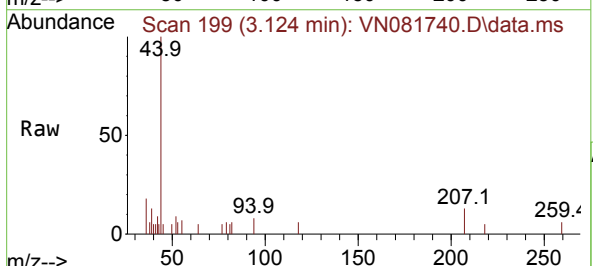
Instrument :
MSVOA_N
ClientSampleId :

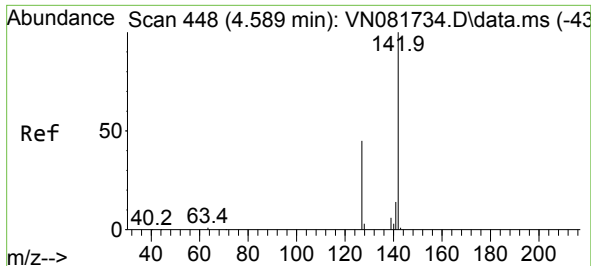
Tgt Ion: 94 Resp: 1937
Ion Ratio Lower Upper
94 100
96 60.0 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

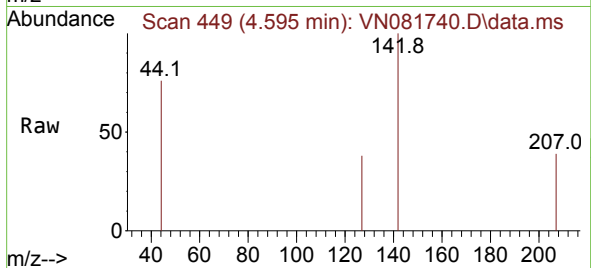
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



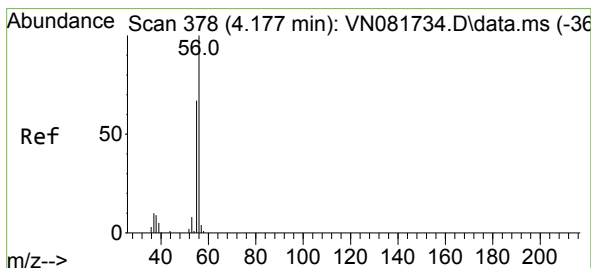
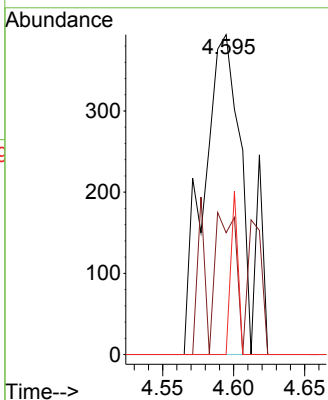
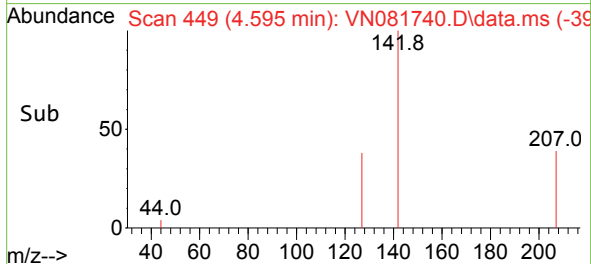


#10
Methyl Iodide
Concen: 0.561 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

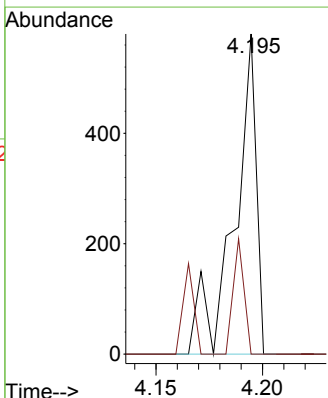
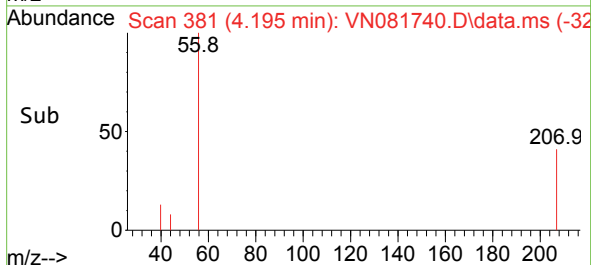
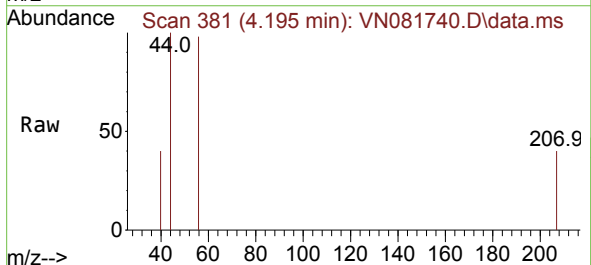


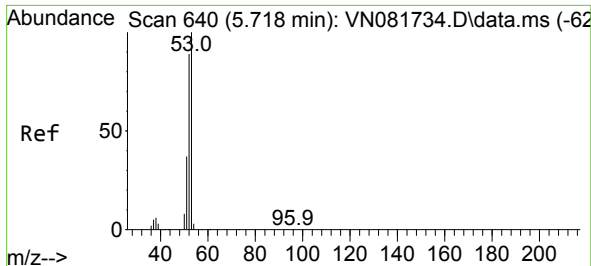
Tgt Ion:142 Resp: 775
Ion Ratio Lower Upper
142 100
127 38.1 35.8 53.6
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.989 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 56 Resp: 414
Ion Ratio Lower Upper
56 100
55 17.9 55.8 83.8#





#15

Acrylonitrile

Concen: 0.553 ug/l

RT: 5.730 min Scan# 640

Delta R.T. 0.012 min

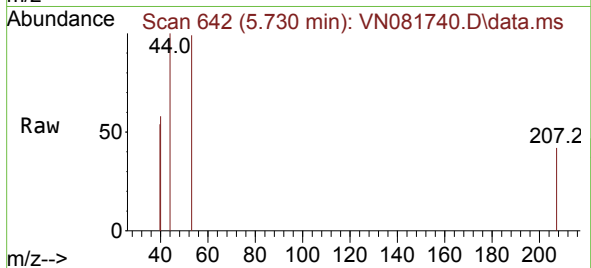
Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :



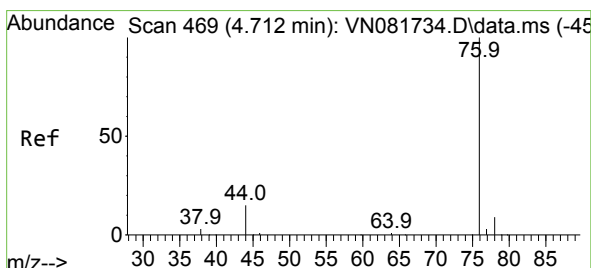
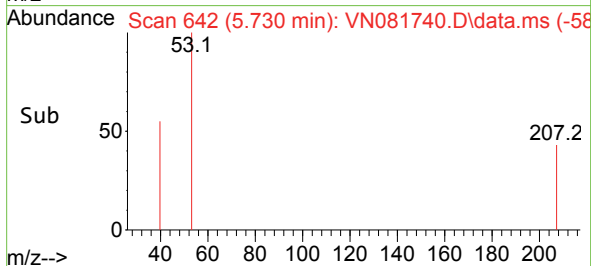
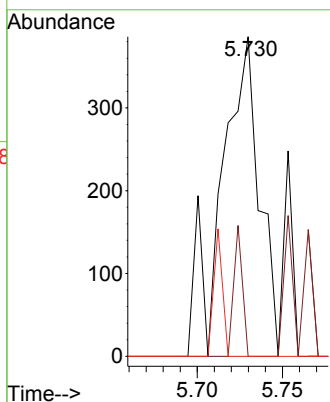
Tgt Ion: 53 Resp: 601

Ion Ratio Lower Upper

53 100

52 9.3 66.1 99.1#

51 9.0 29.4 44.2#



#17

Carbon Disulfide

Concen: 0.559 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN081740.D

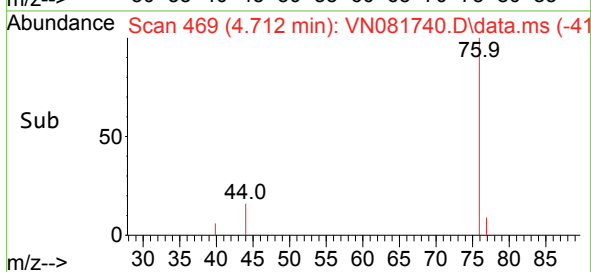
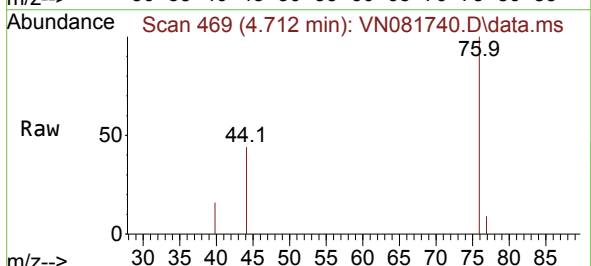
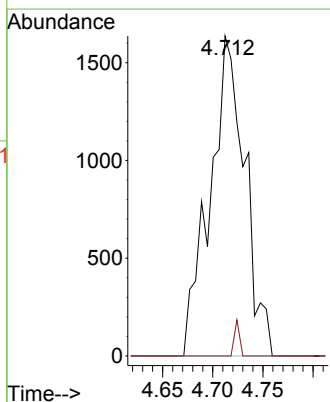
Acq: 15 Apr 2024 16:12

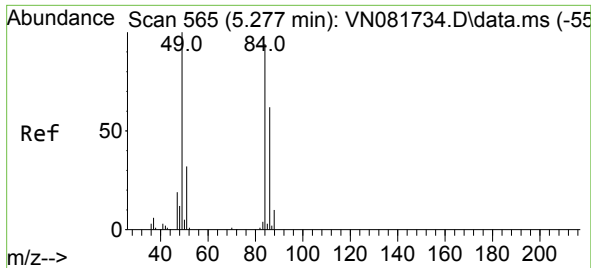
Tgt Ion: 76 Resp: 3959

Ion Ratio Lower Upper

76 100

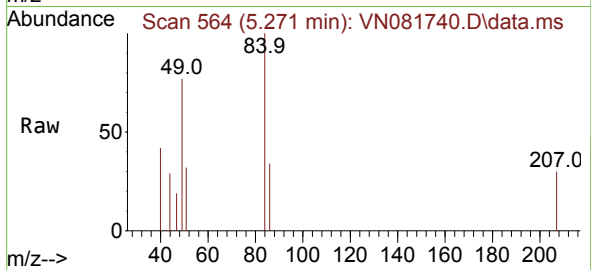
78 0.0 7.5 11.3#



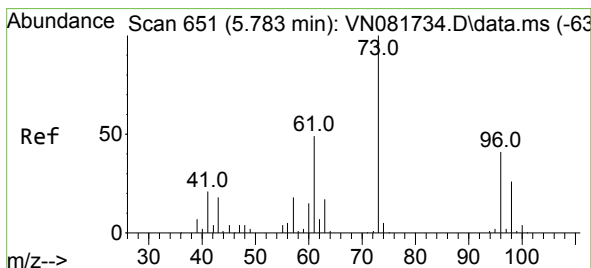
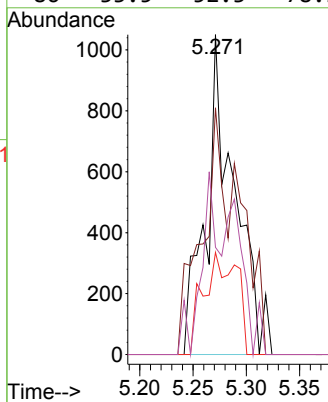
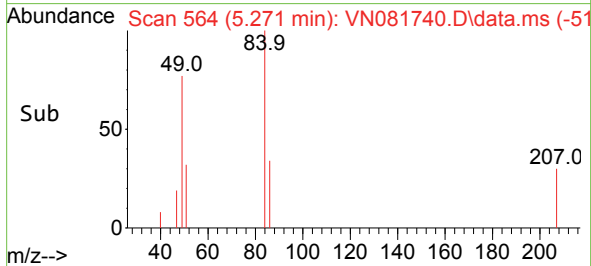


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

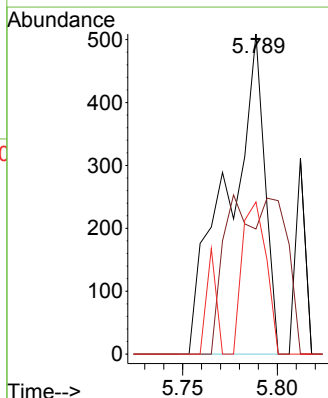
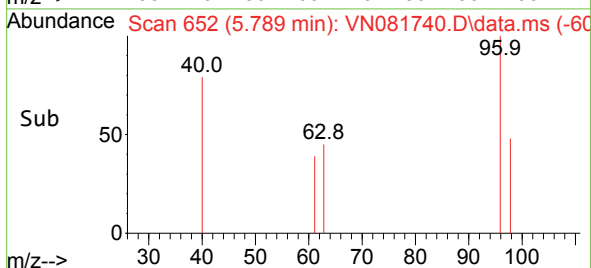
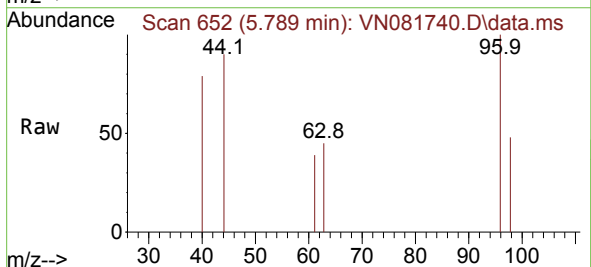


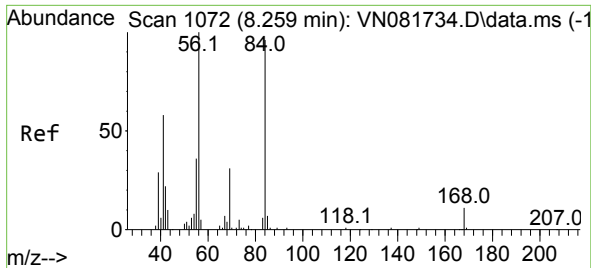
Tgt Ion:	84	Resp:	1958
Ion	Ratio	Lower	Upper
84	100		
49	77.1	84.9	127.3#
51	31.9	27.0	40.6
86	33.5	52.3	78.5#



#21
trans-1,2-Dichloroethene
Concen: 0.280 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

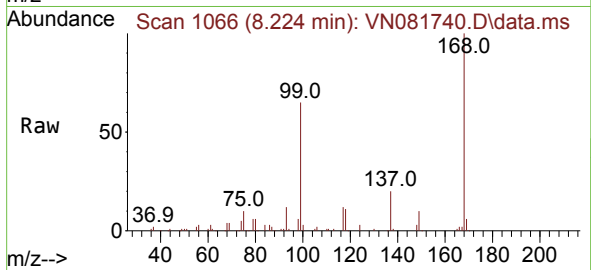
Tgt Ion:	96	Resp:	685
Ion	Ratio	Lower	Upper
96	100		
61	39.1	96.5	144.7#
98	47.5	51.3	76.9#



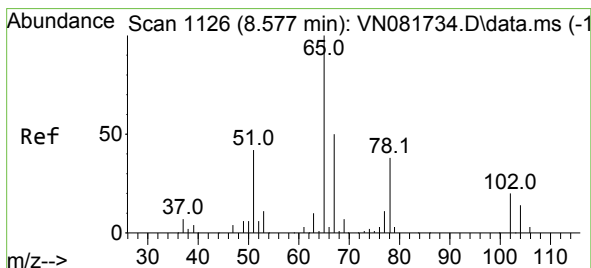
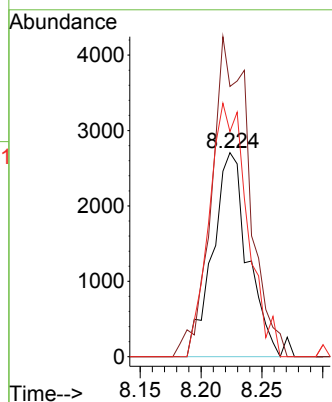
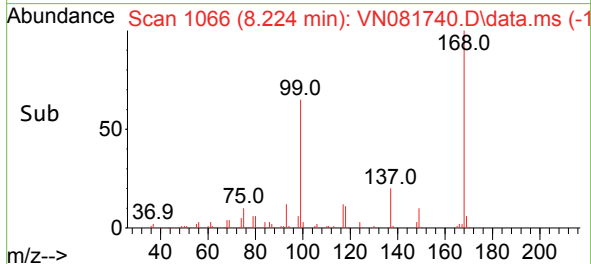


#31
Cyclohexane
Concen: 1.367 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

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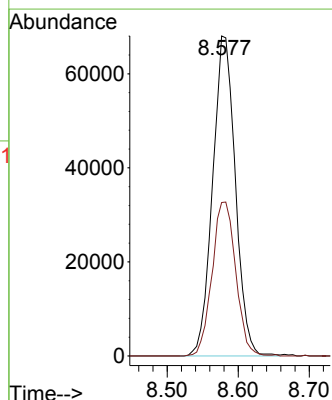
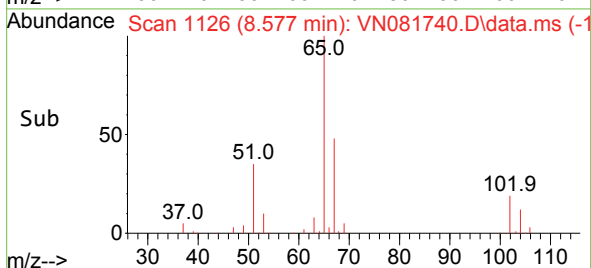
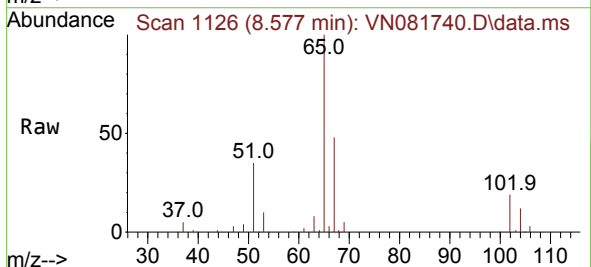


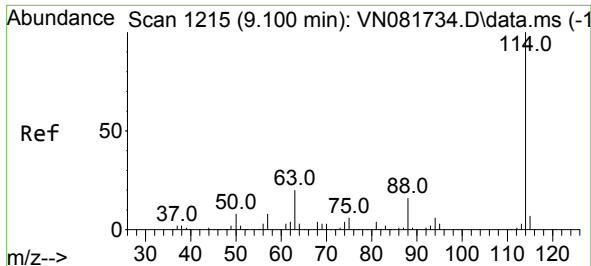
Tgt Ion: 56 Resp: 5413
Ion Ratio Lower Upper
56 100
69 126.2 24.4 36.6#
84 110.3 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 52.296 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion: 65 Resp: 150965
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.0

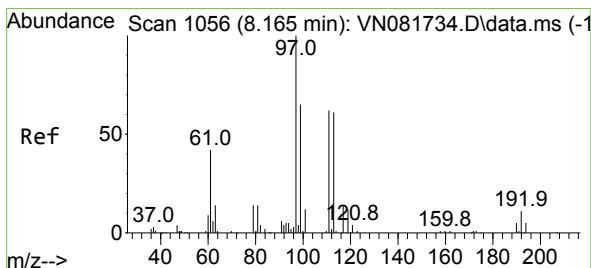
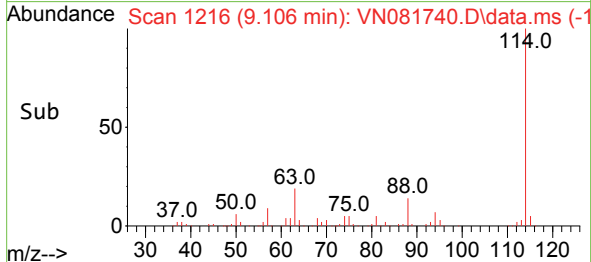
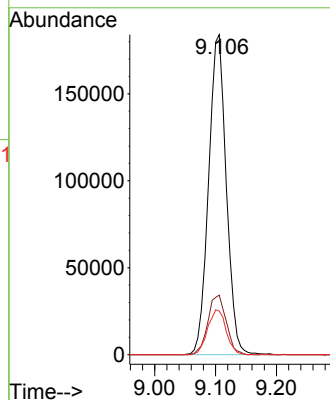
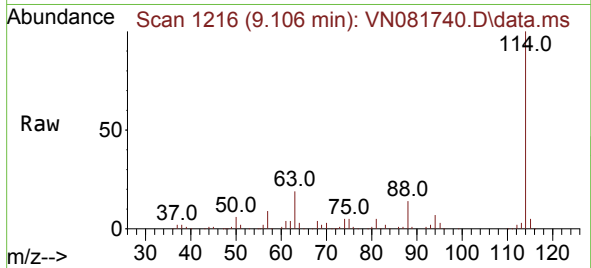




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

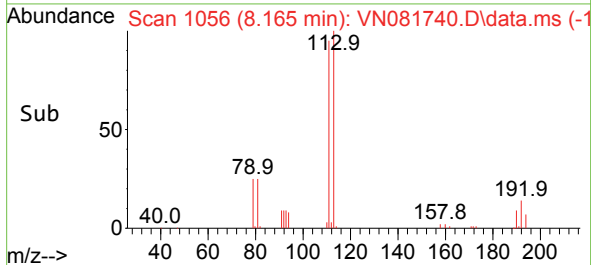
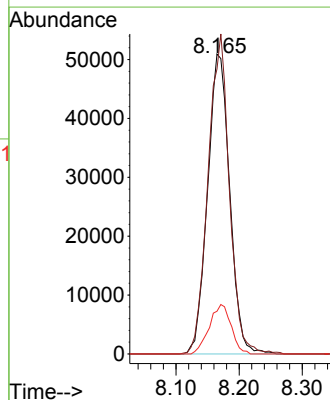
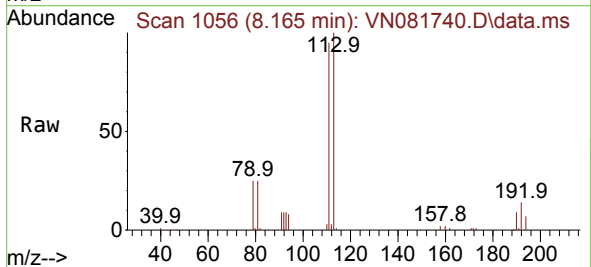
Instrument :
MSVOA_N
ClientSampleId :

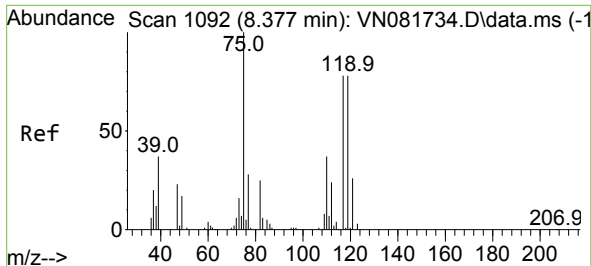
Tgt Ion:114 Resp: 370871
Ion Ratio Lower Upper
114 100
63 18.6 0.0 41.0
88 13.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.667 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

Tgt Ion:113 Resp: 124086
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 16.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.577 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

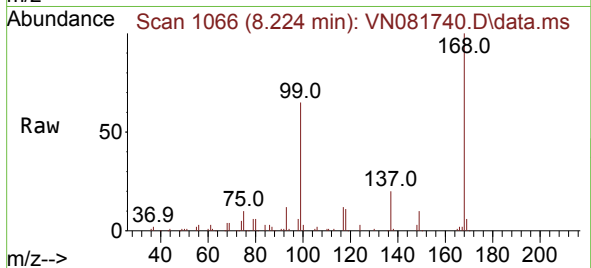
Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :



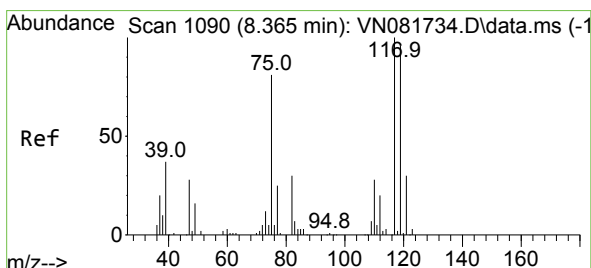
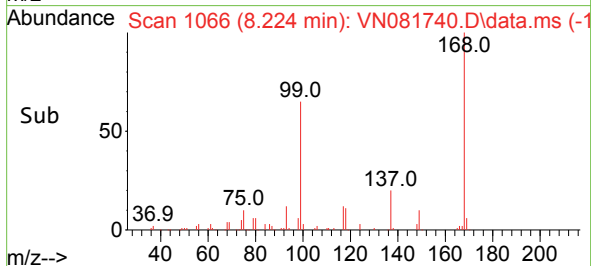
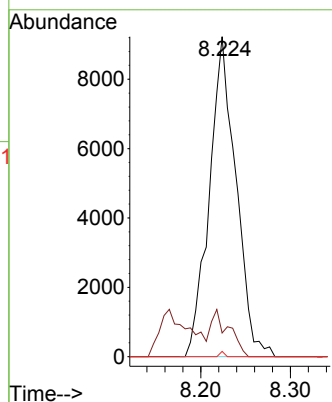
Tgt Ion: 75 Resp: 19028

Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.5#

77 0.3 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.416 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

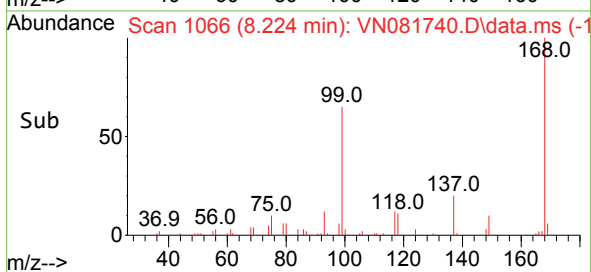
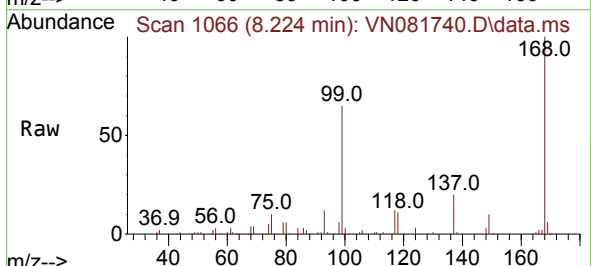
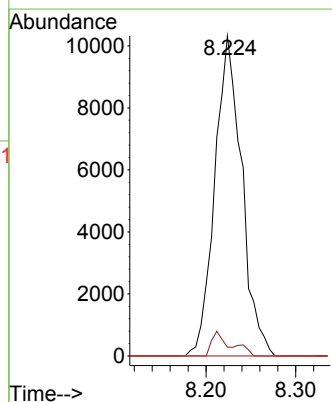
Tgt Ion: 117 Resp: 21499

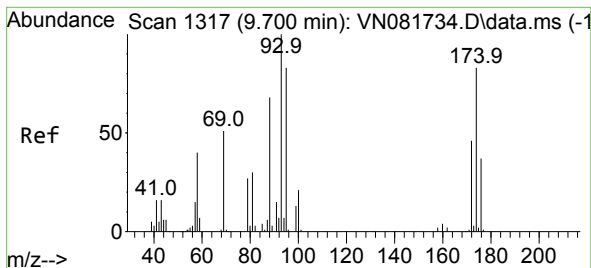
Ion Ratio Lower Upper

117 100

119 2.8 76.5 114.7#

121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 2.095 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.000 min

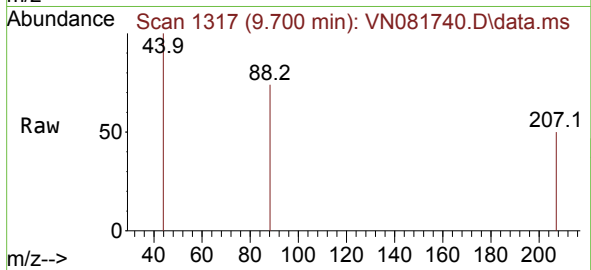
Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :



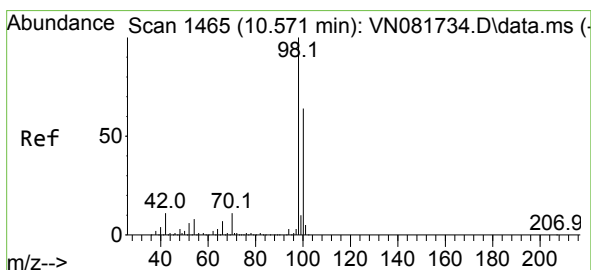
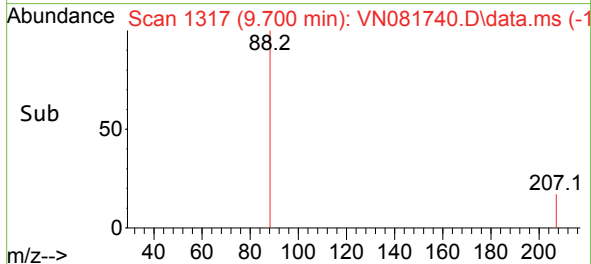
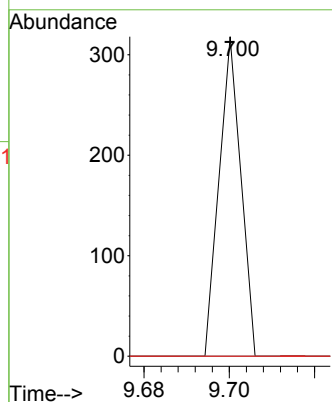
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 50.6 76.0#



#50

Toluene-d8

Concen: 50.304 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081740.D

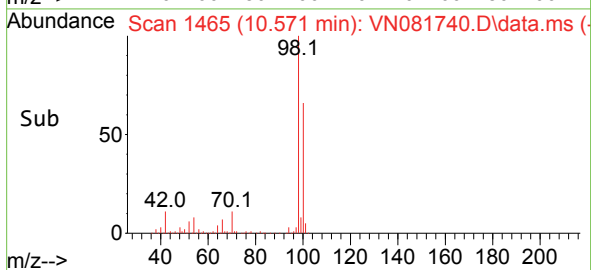
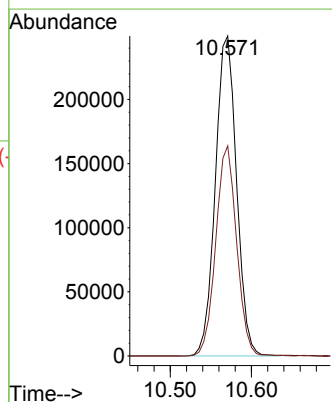
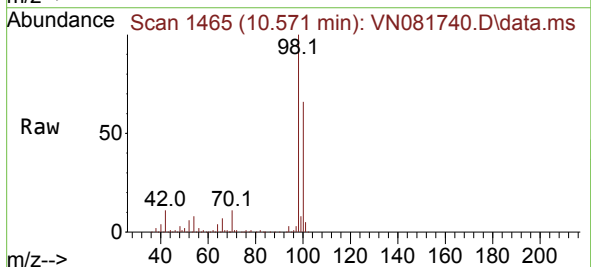
Acq: 15 Apr 2024 16:12

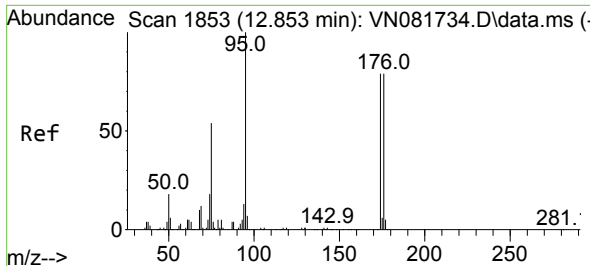
Tgt Ion: 98 Resp: 453852

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.6

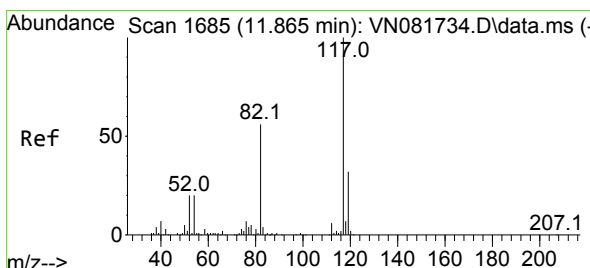
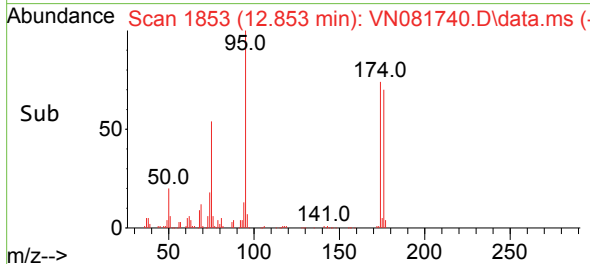
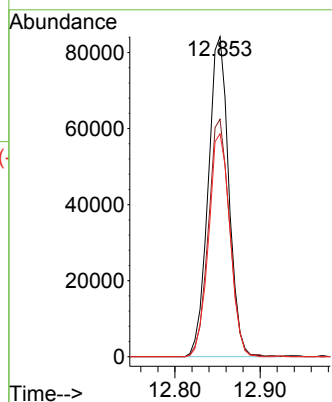
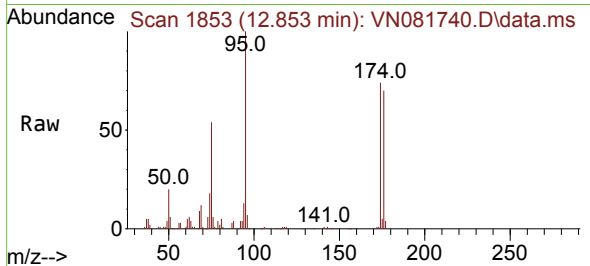




#62
4-Bromofluorobenzene
Concen: 45.798 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

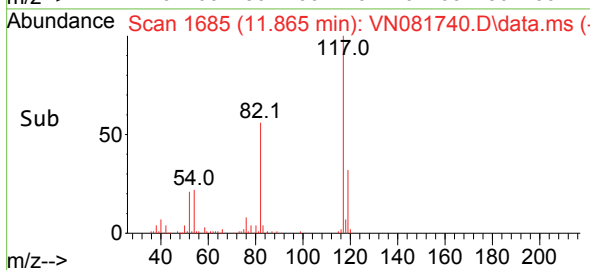
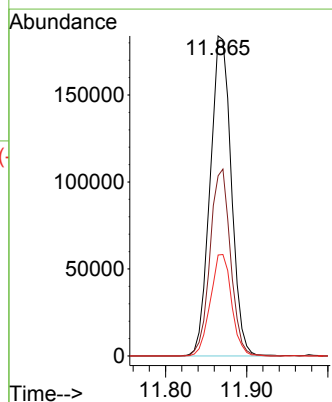
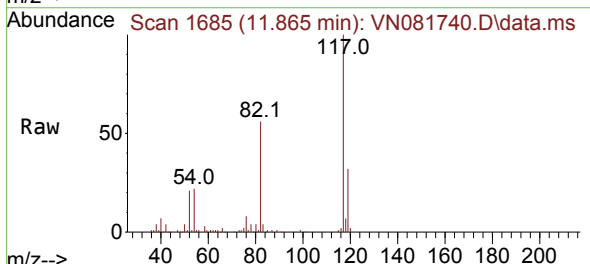
Instrument :
MSVOA_N
ClientSampleId :

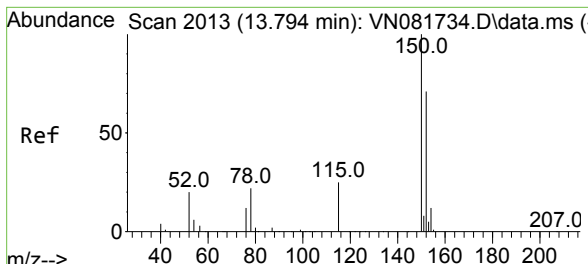
Tgt Ion: 95 Resp: 141199
Ion Ratio Lower Upper
95 100
174 76.2 0.0 160.6
176 72.0 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

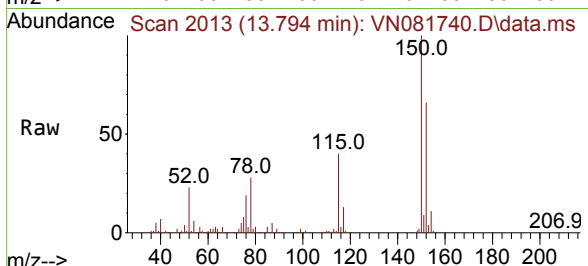
Tgt Ion: 117 Resp: 332809
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 31.6 25.9 38.9



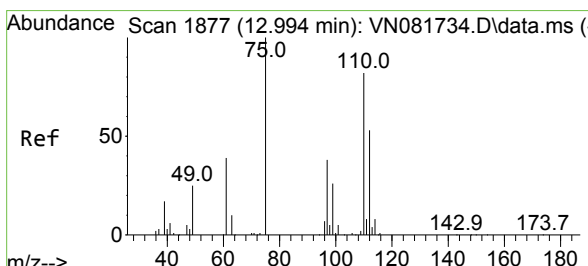
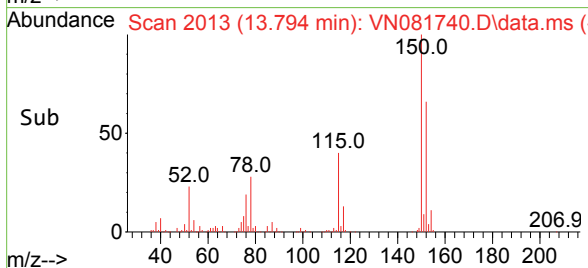
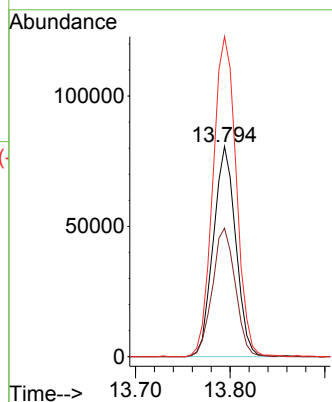


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081740.D
 Acq: 15 Apr 2024 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

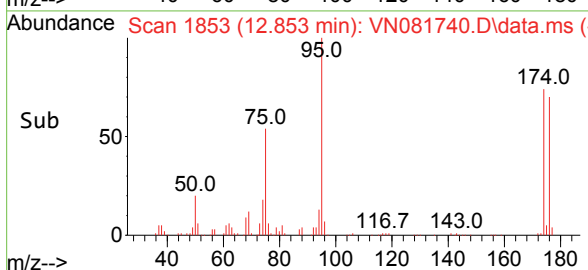
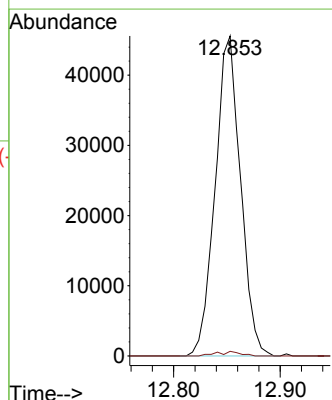
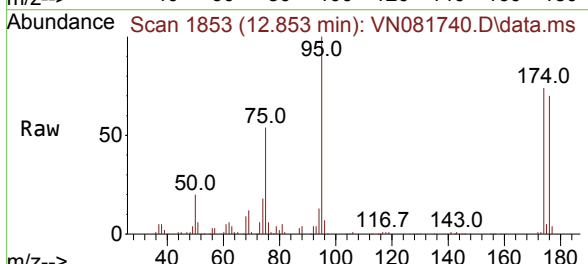


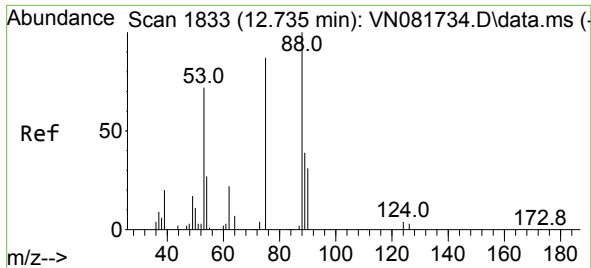
Tgt Ion:152 Resp: 132682
 Ion Ratio Lower Upper
 152 100
 115 62.5 30.4 91.3
 150 158.5 0.0 353.2



#76
 1,2,3-Trichloropropane
 Concen: 29.616 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081740.D
 Acq: 15 Apr 2024 16:12

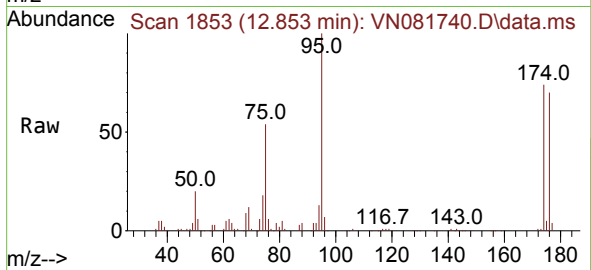
Tgt Ion: 75 Resp: 75199
 Ion Ratio Lower Upper
 75 100
 77 1.3 90.5 271.3#



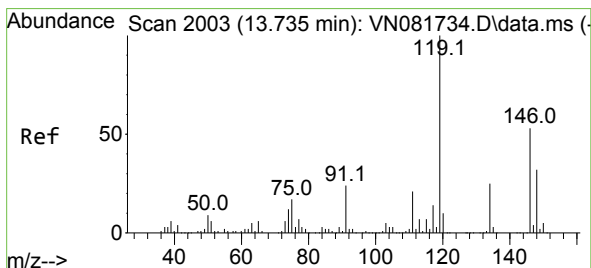
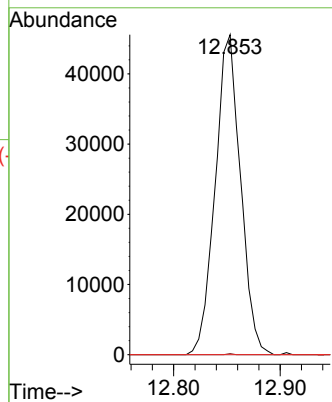
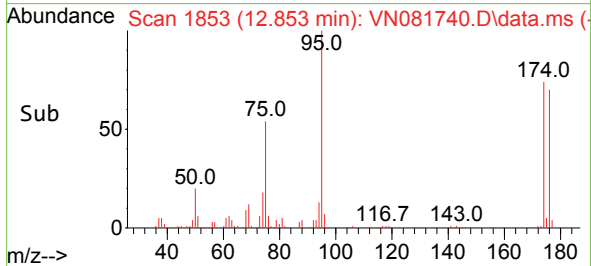


#81
trans-1,4-Dichloro-2-butene
Concen: 69.348 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

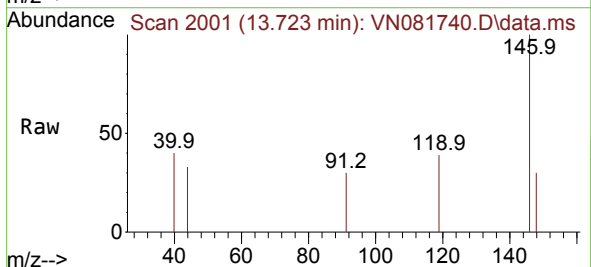
Instrument :
MSVOA_N
ClientSampleId :



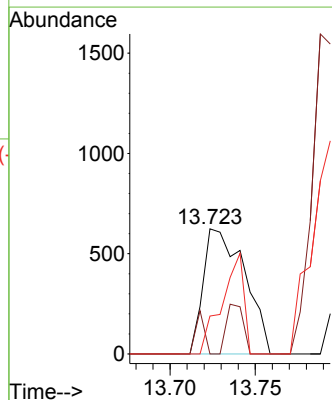
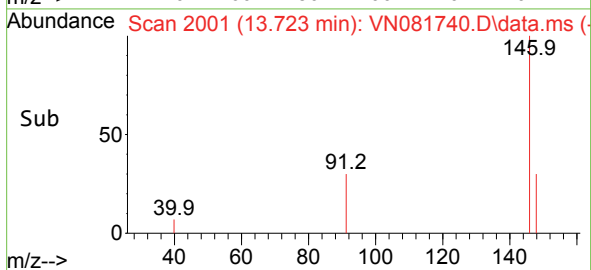
Tgt Ion: 75 Resp: 75199
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#

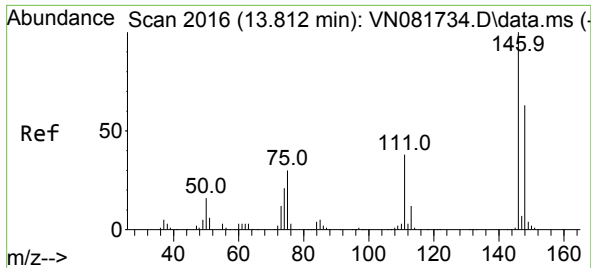


#87
1,3-Dichlorobenzene
Concen: 0.223 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.012 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12



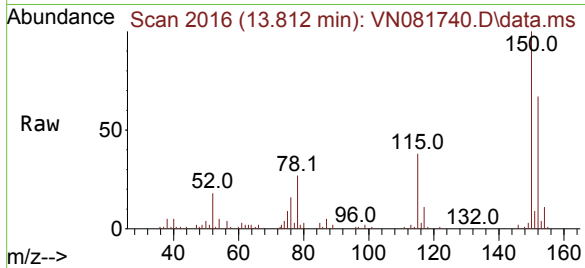
Tgt Ion: 146 Resp: 1058
Ion Ratio Lower Upper
146 100
111 7.2 20.8 62.5#
148 0.0 32.1 96.3#



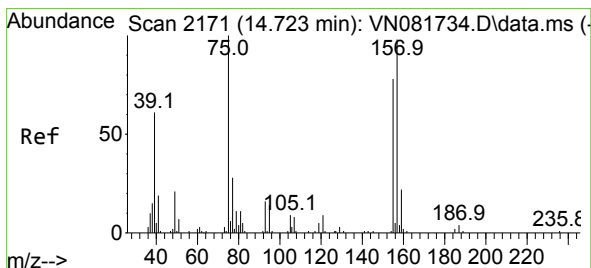
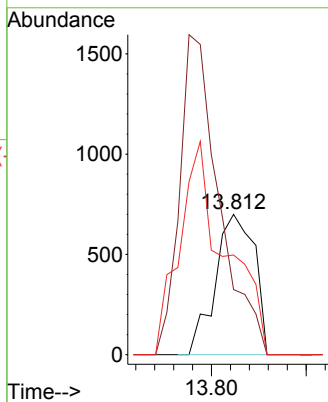
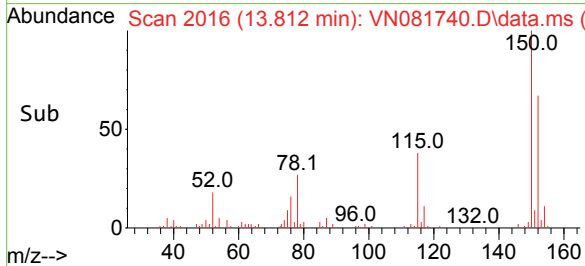


#88
 1,4-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN081740.D
 Acq: 15 Apr 2024 16:12

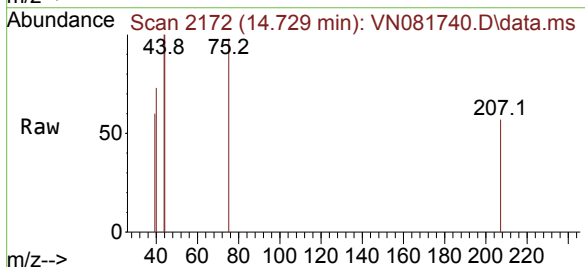
Instrument :
 MSVOA_N
 ClientSampleId :



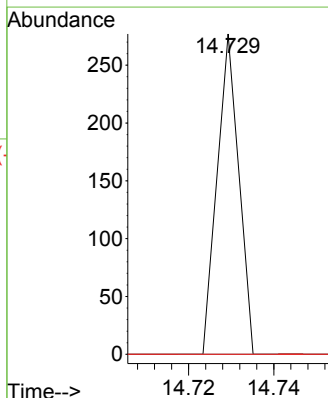
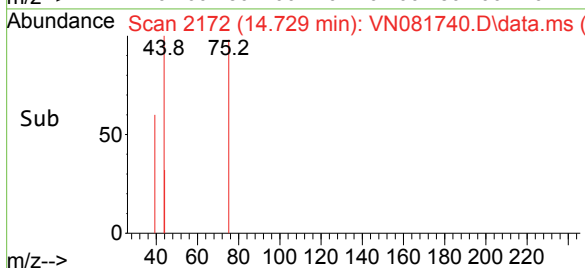
Tgt Ion:146 Resp: 1006
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.3 57.9#
 148 0.0 31.3 93.9#

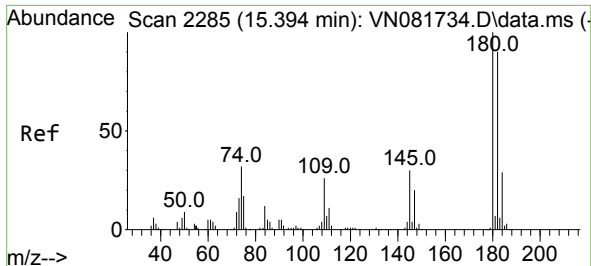


#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.729 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VN081740.D
 Acq: 15 Apr 2024 16:12



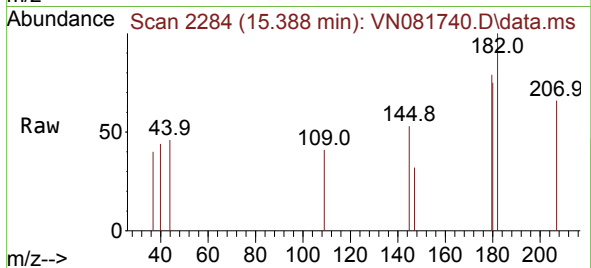
Tgt Ion: 75 Resp: 98
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.6 128.0#
 157 0.0 53.0 159.0#



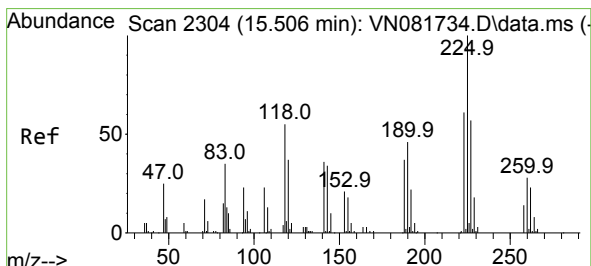
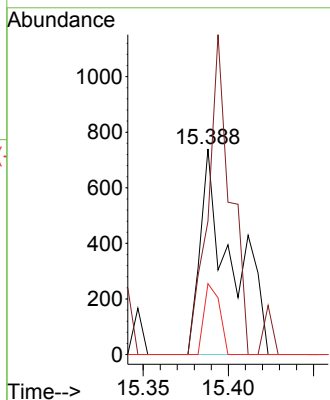
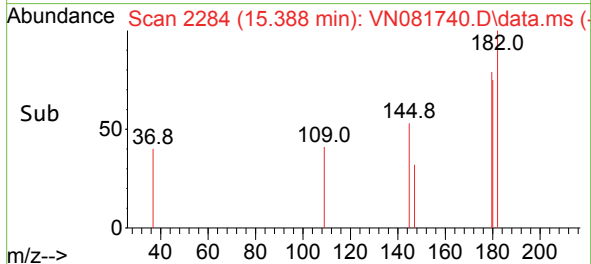


#93
1,2,4-Trichlorobenzene
Concen: 0.391 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12

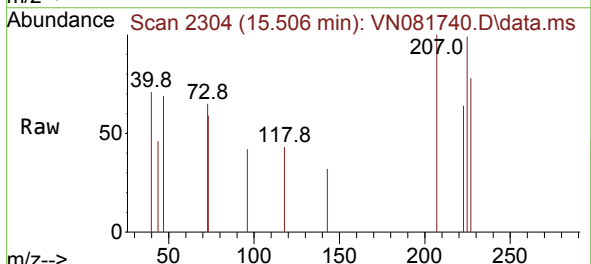
Instrument :
MSVOA_N
ClientSampleId :



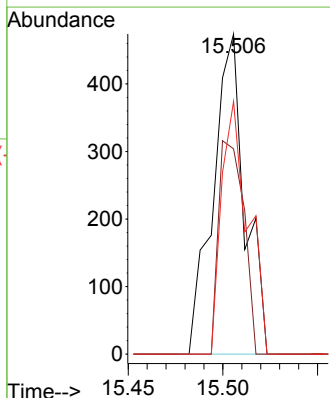
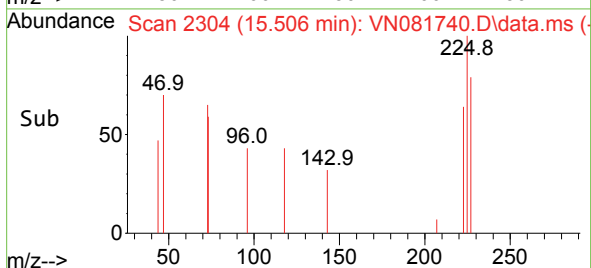
Tgt Ion:180 Resp: 944
Ion Ratio Lower Upper
180 100
182 112.3 46.7 140.0
145 17.2 16.2 48.6

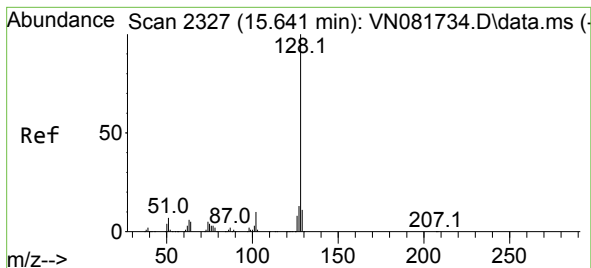


#94
Hexachlorobutadiene
Concen: 0.532 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN081740.D
Acq: 15 Apr 2024 16:12



Tgt Ion:225 Resp: 554
Ion Ratio Lower Upper
225 100
223 53.1 31.1 93.2
227 65.5 30.6 91.6





#95

Naphthalene

Concen: 0.471 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

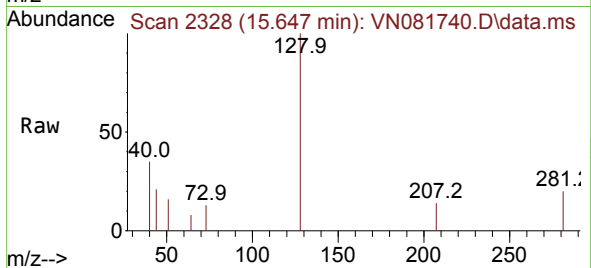
Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :



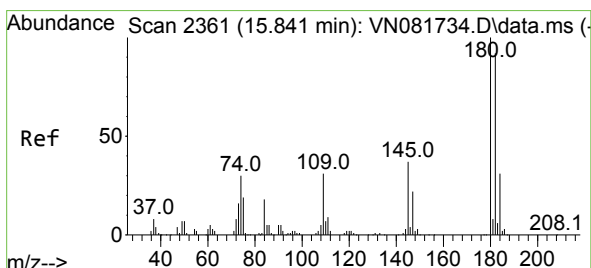
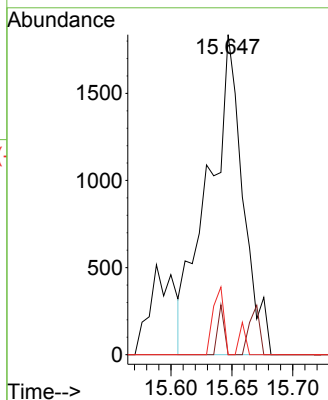
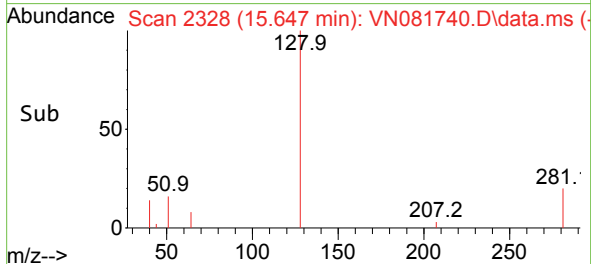
Tgt Ion:128 Resp: 3638

Ion Ratio Lower Upper

128 100

127 2.8 10.1 15.1#

129 6.5 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.403 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN081740.D

Acq: 15 Apr 2024 16:12

Tgt Ion:180 Resp: 996

Ion Ratio Lower Upper

180 100

182 132.5 46.0 137.8

145 22.3 17.1 51.3

